



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

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# KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

LELAND E. BROWN, Director

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SAL 31-07

**AGRICULTURAL NEWS:** Farmers received some much needed rain last week. Rainfall was above normal for the first time in the last 12 weeks, totaling 1.10 inches statewide. This was .27 inches above normal. **Topsoil moisture** was rated 49 percent very short, 32 percent short, 18 percent adequate, 1 percent surplus as of Sunday, October 21. **Subsoil moisture** was rated 64 percent very short, 29 percent short, and 7 percent adequate. Temperatures in the Commonwealth climbed an average of 5 degrees from the previous week, averaging 67 degrees, which was 10 degrees above normal. There were 5.3 days suitable for fieldwork. Main farm activities included seeding wheat, and harvesting soybeans.

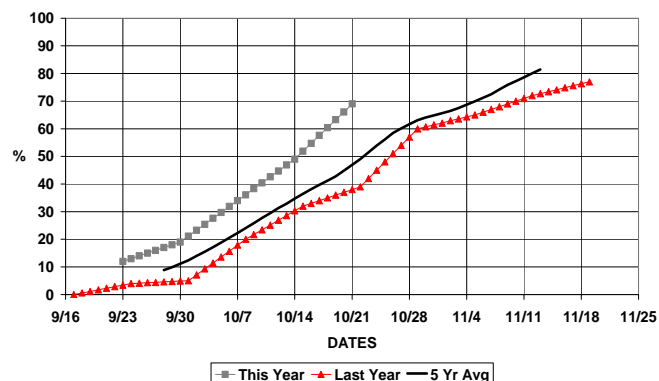
**TOBACCO:** The condition of housed tobacco was reported as 3 percent very poor, 16 percent poor, 27 percent fair, 43 percent good and 11 percent excellent. Eighteen percent of tobacco had been stripped compared to 15 percent last year and equal to the five year average. Many farmers report good weights on their tobacco.

**CORN:** The corn harvest was nearly complete with 97 percent of the crop combined as of Sunday, October 21. This continued well ahead of the 84 percent harvested last year and the five year average of 88 percent.

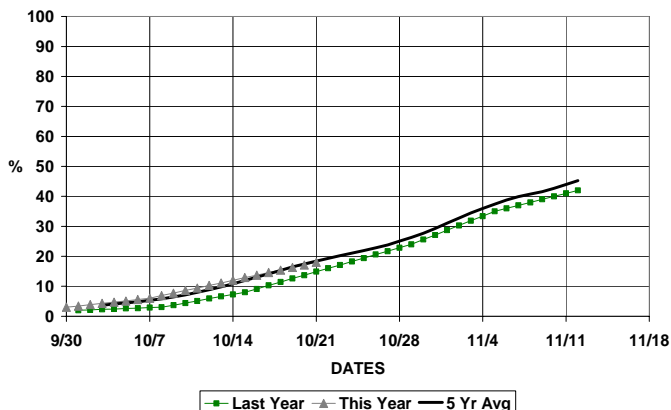
**SOYBEANS:** As of Sunday, October 21, 69 percent of the soybeans had been harvested, well ahead of the 38 percent reported last year and the average of 47 percent. Some farmers report they will not harvest their beans due to low yields.

**OTHER CROPS AND PASTURE:** Farmers reported they have seeded more than half of their winter wheat. As of Sunday, October 21, 58 percent of wheat was seeded, ahead of 46 percent last year and 46 percent for the five year average. Pasture condition improved slightly compared to the previous week with 49 percent very poor, 31 percent poor, 18 percent fair, and 2 percent good. Eighty-four percent of producers reported they will not have an adequate supply of hay for this winters feeding.

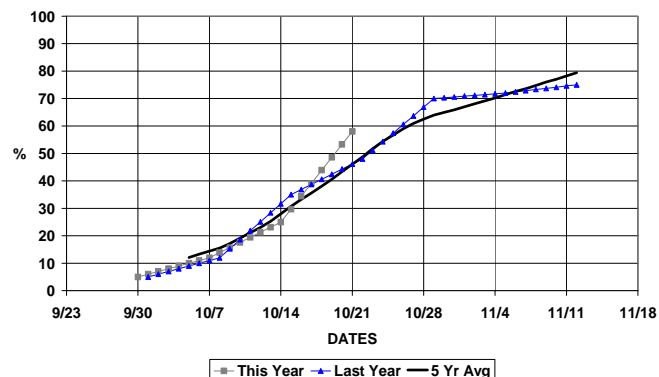
SOYBEANS HARVESTED PROGRESS



BURLEY TOBACCO PERCENT STRIPPED



WINTER WHEAT SEEDING COMPLETED



**KENTUCKY CROP PROGRESS**  
WEEK ENDING OCTOBER 21, 2007

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Soybeans					
Harvested	69	38	47	49	66
Corn					
Harvested	97	84	88	96	53
Burley Tobacco					
Stripped	18	15	18	12	NA
Wheat					
Seeded	58	46	46	25	73

(NA)Data Not Available.

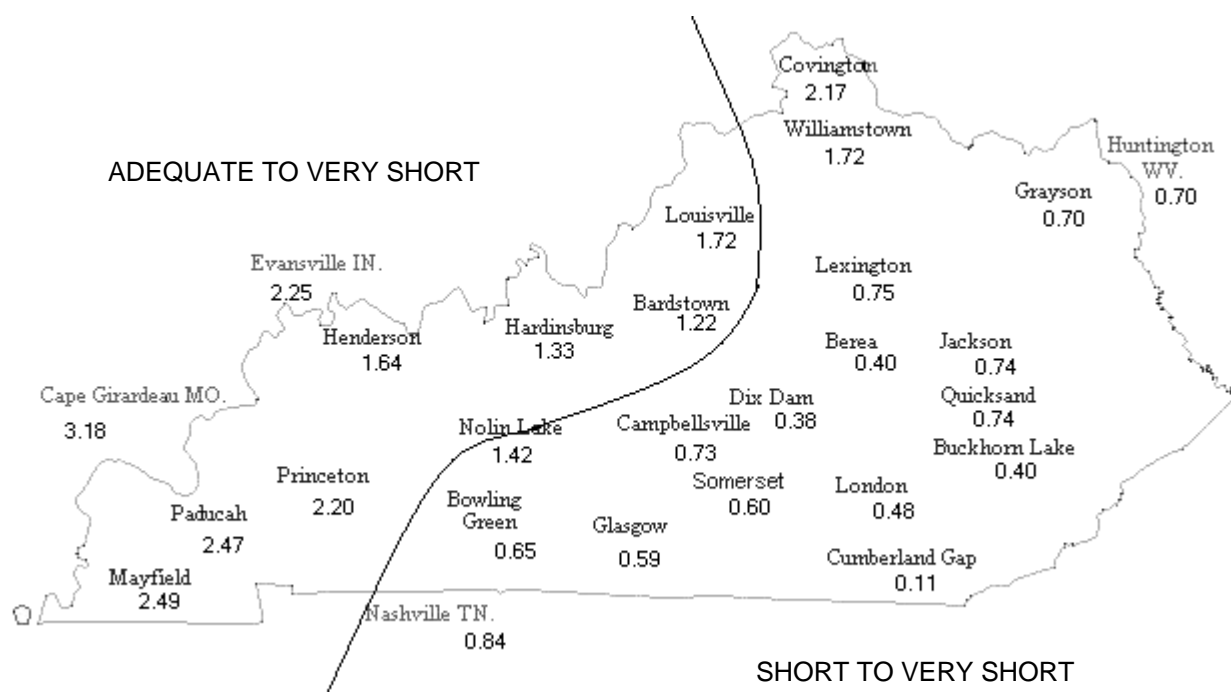
**SOIL MOISTURE**  
WEEK ENDING OCTOBER 21, 2007

	This Week	Previous Week
Percentage		
<b>TOPSOIL</b>		
Very Short	49	73
Short	32	23
Adequate	18	4
Surplus	1	0
<b>SUBSOIL</b>		
Very Short	64	79
Short	29	17
Adequate	7	4
Surplus	0	0

**KENTUCKY CROP CONDITIONS (Percent)**

WEEK ENDING OCTOBER 21, 2007						WEEK ENDING OCTOBER 14, 2007				
CROP	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Fall Wheat Seeded	6	16	34	32	12	NA	NA	NA	NA	NA
Pasture	49	31	18	2	0	57	29	13	1	0
Stripped Tobacco	3	16	27	43	11	NA	NA	NA	NA	NA

**PRECIPITATION MAP AND TOPSOIL MOISTURE DELINEATION**  
WEEK ENDING OCTOBER 21, 2007



## **KENTUCKY WEATHER SUMMARY, OCTOBER 15 - 21, 2007:**

### **Above normal temperatures and rainfall:**

Much needed rainfall came to the Bluegrass State last week, mostly from a deep low pressure system that caused a widespread thunderstorm outbreak on Thursday. Several stations in western and central Kentucky, such as Paducah, reported well over two inches of rainfall from this event alone. Many more rainfall events like this will be needed to escape drought conditions, however, as last week was only the second week in the past twelve to receive above normal rainfall. Warm temperatures remained the rule as above normal values were recorded for the fifth straight week.

Temperatures for the period averaged 67 degrees across the State which was 10 degrees above normal and 5 degrees warmer than the previous week. High temperatures averaged from 78 in the West to 77 in the East. Departure from normal high temperatures ranged from 7 degrees above normal in the West to 10 degrees above normal in the East. Low temperatures averaged from 56 degrees in the West to 55 degrees in the East. Departure from normal low temperature ranged from 8 degrees above normal in the West to 11 degrees above normal in the East.

Rainfall for the period totaled 1.10 inches statewide which was 0.27 inches above normal. Rainfall totals by climate division, West 1.91 inches, Central 0.95 inches, Bluegrass 0.91 inches and East 0.70 inches, which was 0.97 inches above normal, 0.15 inches above normal, 0.12 inches above normal and 0.08 inches below normal respectively. By station, rainfall totals ranged from a low of 0.07 inches at Bristol to a high of 3.18 inches at Cape Girardeau.

Tom Priddy

### **KENTUCKY TEMPERATURES AND RAINFALL**

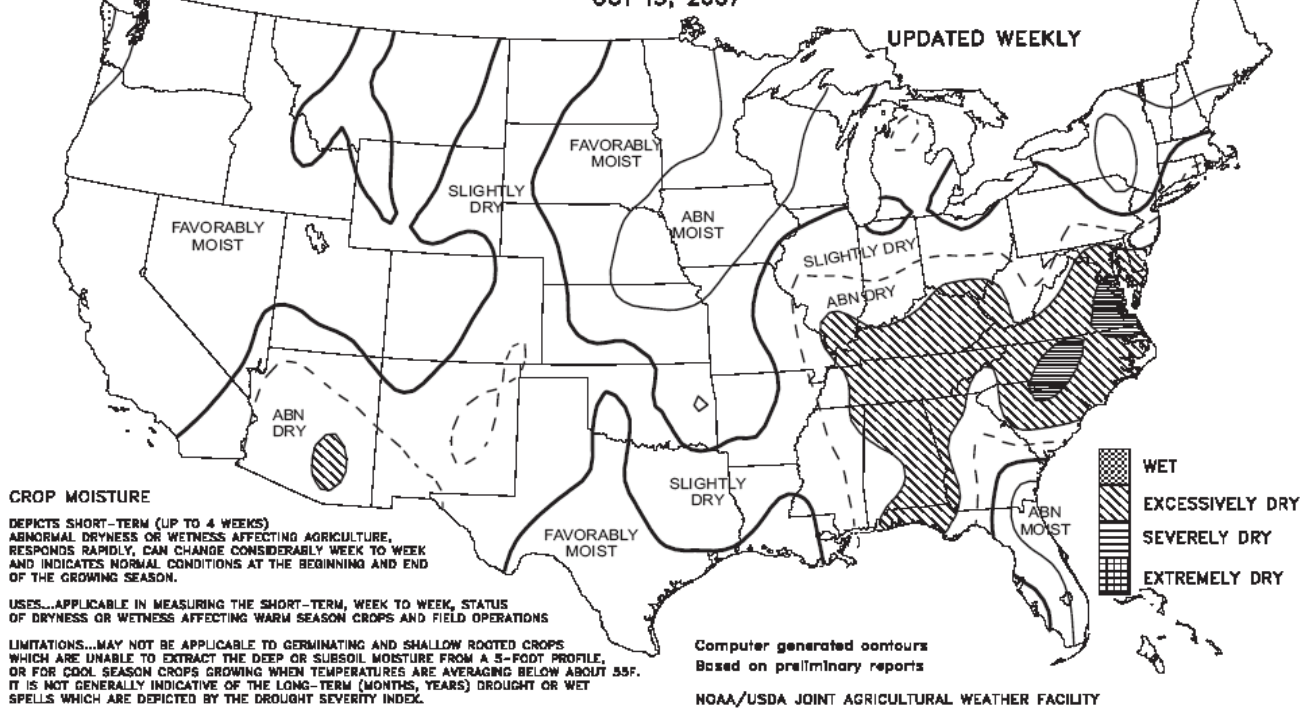
**FOR WEEK ENDING SUNDAY, OCTOBER 21, 7:00 P.M.**

Weather Station	Rainfall			Deviation From		Air Temperature				Relative Humidity	
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly Avg.	Dev. From Norm	Average	
										High	Low
	(Inches)			(Degrees Fahrenheit)							
Bardstown	1.22	21.20	2.35	-4.68	-0.14	83	46	67.9	+11	90	44
Berea	0.40	18.30	0.82	-9.03	-2.01	83	51	68.6	+13	81	49
Bowling Green	0.65	15.84	1.45	-11.61	-1.46	87	47	68.5	+11	89	42
Bristol	0.07	12.21	0.74	-11.03	-1.78	84	37	65.4	+10	91	41
Buckhorn Lake	0.40	13.06	0.81	-13.01	-1.95	81	47	66.9	+11	82	40
Cape Girardeau	3.18	19.26	5.82	-6.46	+2.95	82	41	64.9	+6	91	41
Campbellsville	0.73	23.09	1.38	-7.71	-1.84	81	47	67.3	+10	90	50
Covington	2.17	13.04	4.28	-11.24	+1.67	79	49	64.9	+9	86	41
Cumberland Gap	0.11	15.64	0.74	-12.43	-2.21	81	47	66.9	+11	92	42
Dix Dam	0.38	16.37	0.53	-10.47	-2.20	83	48	67.9	+12	83	42
Evansville	2.25	15.98	3.27	-8.34	+0.63	85	46	67.4	+8	86	43
Glasgow	0.59	22.36	1.15	-7.12	-1.80	86	45	69.3	+12	92	49
Grayson	0.70	18.80	1.65	-6.32	-1.02	81	45	66.1	+10	90	48
Hardinsburg	1.33	20.60	1.77	-6.64	-1.15	83	42	67.7	+11	93	55
Henderson	1.64	21.90	3.82	-3.30	+1.13	82	43	66.6	+7	86	44
Huntington	0.70	11.80	1.38	-13.44	-1.28	82	43	65.9	+10	90	43
Jackson	0.74	15.59	1.28	-11.56	-1.51	83	50	66.9	+11	79	41
Lexington	0.75	19.89	1.34	-5.99	-1.15	82	48	66.9	+11	88	44
London	0.48	14.46	0.73	-10.76	-1.95	81	43	65.4	+9	87	40
Louisville	1.72	19.69	2.79	-5.67	+0.22	82	47	68.0	+11	80	38
Mayfield	2.49	12.47	2.73	-15.70	-0.64	81	47	66.9	+8	90	49
Nashville	0.84	12.03	1.56	-13.40	-1.01	86	48	68.1	+11	91	44
Nolin Lake	1.42	21.03	1.72	-8.07	-1.41	86	45	68.4	+11	89	45
Paducah	2.47	19.29	3.97	-7.96	+1.08	85	45	67.0	+8	86	42
Princeton	2.20	19.04	3.19	-8.27	+0.35	85	45	68.4	+9	89	41
Quicksand	0.74	15.28	1.28	-11.87	-1.51	81	47	66.9	+11	90	48
Somerset	0.60	17.38	1.67	-11.31	-1.48	81	37	64.0	+8	91	41
Spindletop	0.78	18.59	1.80	-7.29	-0.69	82	50	66.9	+11	92	45
Williamstown	1.72	22.20	5.41	-3.61	+2.64	79	49	65.7	+10	90	49

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

**Crop Moisture**  
**SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE**  
**OCT 13, 2007**

UPDATED WEEKLY



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